SPT™ USA

Instruction Manual

Portable Air Conditioner

Model: WA-9010E

It is important that you read these instructions before using your portable air conditioner and we strongly recommend that you keep them in a safe place for future reference.

TABLE OF CONTENTS

Thank you and energy saving tips

Introduction.....1

Parts and accessories.....2

Installation.....3

Control panel functions.....7

Remote control functions.....8

Operating the unit.....9

Drainage.....10

Maintenance.....12

Storage.....14

Cautions.....15

Troubleshooting.....16

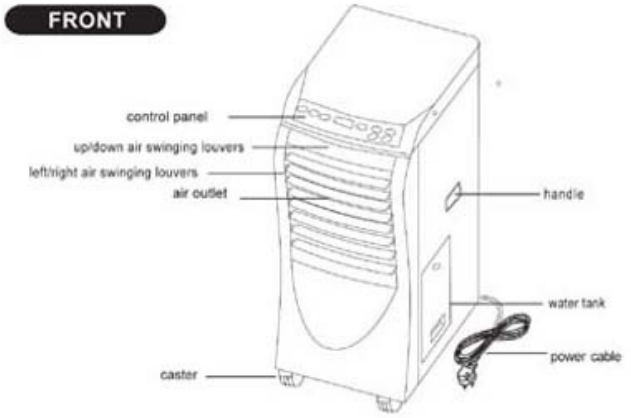
Specification.....17

Defective notice.....18

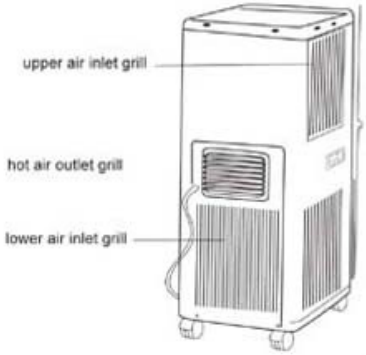
Your Guarantee

ACCESSORIES, PARTS AND FUNCTIONS

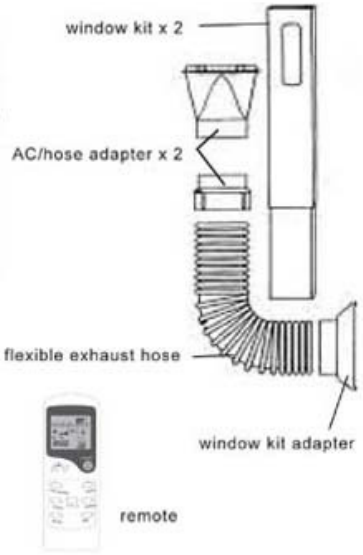
FRONT



BACK



ACCESSORIES

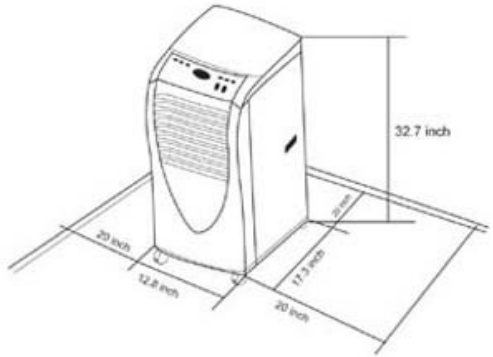


remote

INSTALLATION

Selection of installation location

Place the portable air conditioner on a flat surface where the air outlets are not blocked.
Place the unit with at least 20 inches of clearing from a wall or other obstacles.

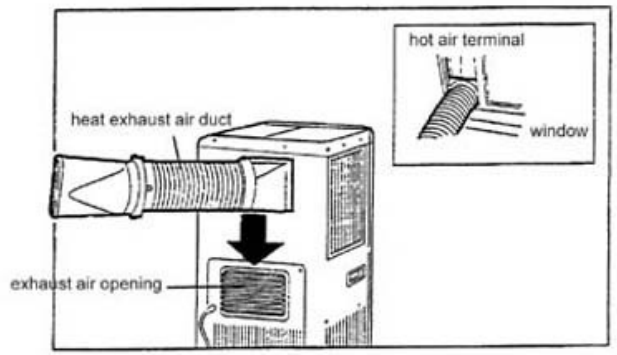


Installing the air exhaust duct

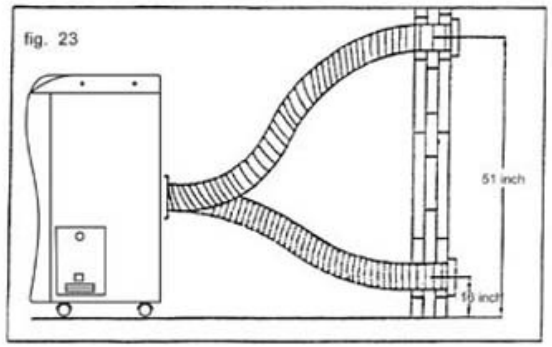
1) Fix adaptors onto hose by turning clock-wise

2) Fix the square end of the duct to the exhaust terminal of the unit

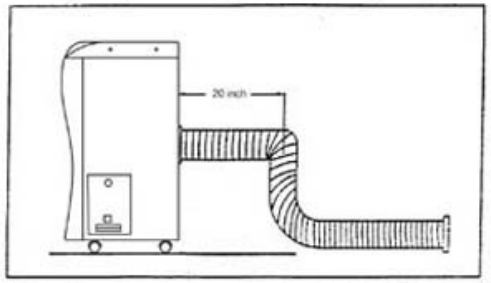
3) Lead the other end to the nearest window. Note: the length of the hose is between 23.7 ~ 70 inches. Do not extend beyond the supplied length. Keep hose length as short and as straight as possible.

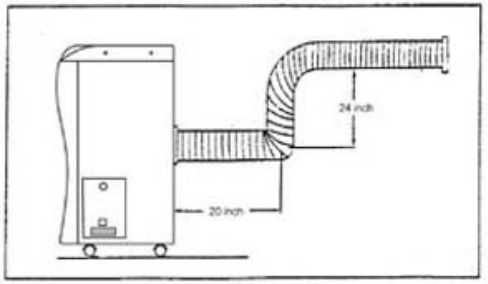


Correct mounting shown below. If mounting through wall, the height of the hole should be between 16 ~ 51 inches from the floor.

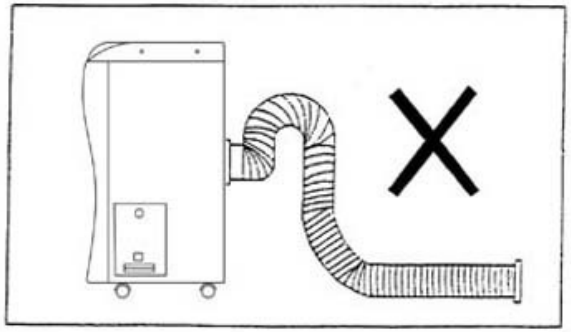


If the air exhaust requires bending, use the following as a guideline:



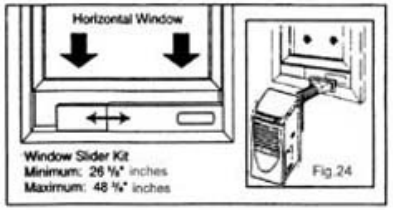


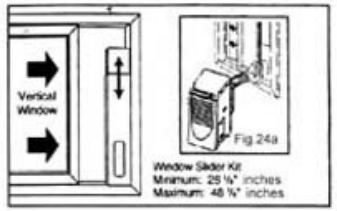
Example WRONG mounting diagram (Air exhaust bend is too large, will cause overheating.)



Window Kit Installation

Your window kit has been designed to fit most standard "vertical" and "horizontal" window applications. However, **it may be necessary for you to improvise/modify some aspects of the installation procedures for certain types of windows.** Please refer to *Fig. 24 & Fig. 24a* for minimum and maximum window openings.





Water Tank Safety Feature

This unit is equipped with a fail-safe switch mechanism which prevents the unit from condensing water in the event the water tank is accidentally displaced and/or FULL with water. If this situation occurs, the WATER FULL indicator light will flash red continuously until the water tank is correctly positioned and/or emptied

NOTE: The fan motor will continue to operate under this condition. This is normal, but no cooling or dehumidifying will occur until the tank is emptied and/or correctly installed. (It may take several minutes before the compressor resumes normal operation

INSTALLATION

Installation Accessories *(Fig. 25)*

Flexible exhaust hose with adapters.....**3/set**
stretches from 19 1/2" to 78 3/4"

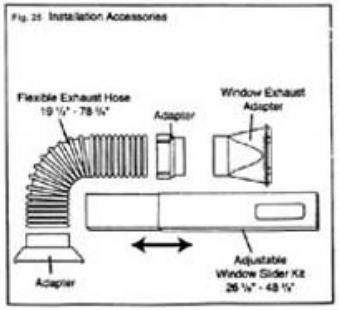
Window exhaust adapter (flat mouth).....**1pc**

Unit exhaust adapter (round) **1pc**

Adjustable window slider kit.....**2/set**
from 26 5/8" to 48 3/8"

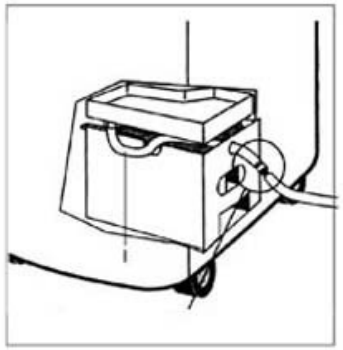
Drain hose connector.....**1pc**
continuous drain option (hose not included)

NOTE: Exterior drain hose extension is not included with this unit but can be purchased through any local Hardware Store.



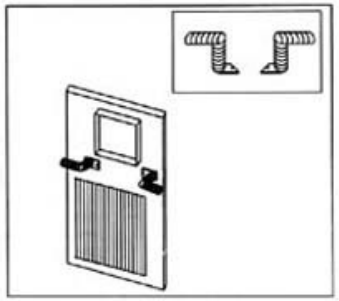
Continuous Drainage

1. Remove the seal of drainage tube (as shown in image).
2. Extend the tube outside the unit for drainage, as shown.
3. Pay attention to place the tube in a proper situation to avoid causing the electric controls to not work properly.

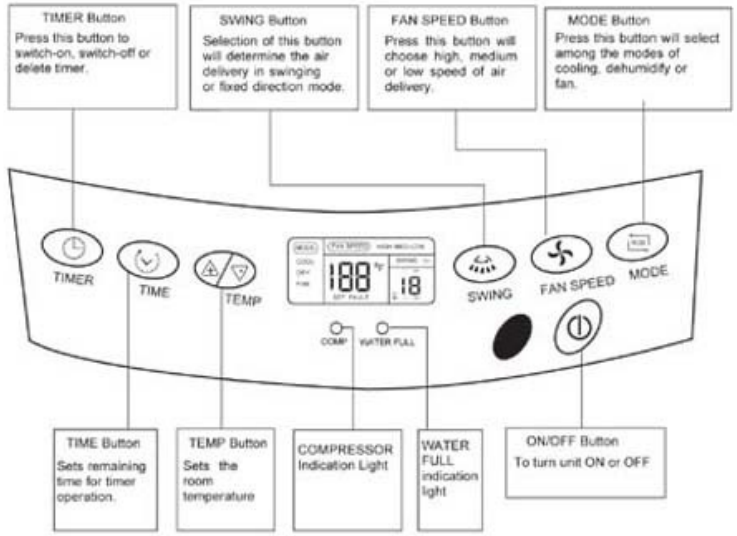


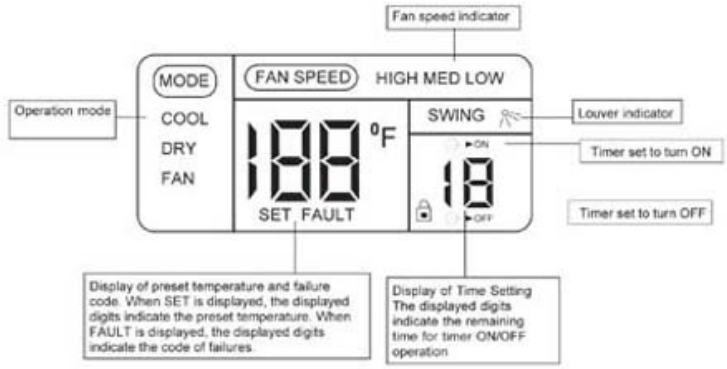
Power cord storage

Fix the roll wire at the back of the air guide plate with the clasp. Wrap the power cord around the clasp when unit is not in operation.

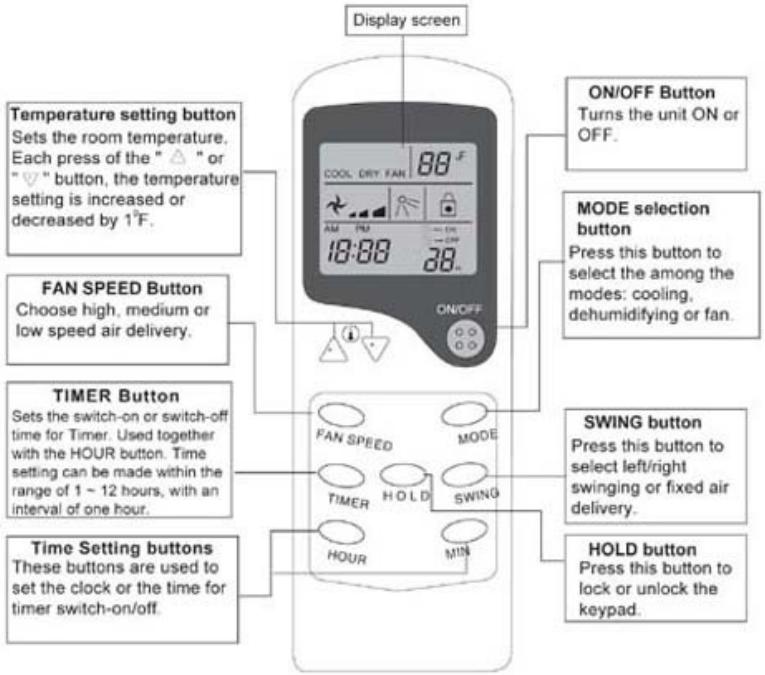


CONTROL PANEL FUNCTIONS


TIMER Button
Press this button to switch-on, switch-off or delete timer.
SWING Button
Selection of this button will determine the air delivery in swinging or fixed direction mode.
FAN SPEED Button
Press this button will choose high, medium or low speed of air delivery.
MODE Button
Press this button will select among the modes of cooling, dehumidify or fan.
TIMER
TIME
TEMP
SWING
FAN SPEED
MODE
COMP
WATER FULL
TIME Button
Sets remaining time for timer operation.
TEMP Button
Sets the room temperature
COMPRESSOR Indication Light
WATER FULL indication light
ON/OFF Button
To turn unit ON or OFF


Fan speed indicator
MODE
FAN SPEED
HIGH MED LOW
Operation mode
COOL
DRY
FAN
SWING
Louver indicator
Timer set to turn ON
Timer set to turn OFF
°F
SET FAULT
Display of preset temperature and failure code. When SET is displayed, the displayed digits indicate the preset temperature. When FAULT is displayed, the displayed digits indicate the code of failures.
Display of Time Setting
The displayed digits indicate the remaining time for timer ON/OFF operation

OPERATION AND FUNCTIONS OF REMOTE CONTROL


Display screen
Temperature setting button
Sets the room temperature. Each press of the " △ " or " ▽ " button, the temperature setting is increased or decreased by 1°F.
FAN SPEED Button
Choose high, medium or low speed air delivery.
TIMER Button
Sets the switch-on or switch-off time for Timer. Used together with the HOUR button. Time setting can be made within the range of 1 ~ 12 hours, with an interval of one hour.
Time Setting buttons
These buttons are used to set the clock or the time for timer switch-on/off.
ON/OFF Button
Turns the unit ON or OFF.
MODE selection button
Press this button to select the among the modes: cooling, dehumidifying or fan.
SWING button
Press this button to select left/right swinging or fixed air delivery.
HOLD button
Press this button to lock or unlock the keypad.
COOL DRY FAN
88 °F
18:88
38
ON/OFF
FAN SPEED
MODE
TIMER
HOLD
SWING
HOUR
MIN

PRESENT TIME SETTING PROCEDURE

When batteries are inserted, the time is automatically set to 12:00AM.

To set clock (example: set to 10:30AM)

1	Open the back cover, push the CLK button with the tip of a ball pen. The time indicator will start to flicker. You may now set the present time.
2	**Press the HOUR button. (Set to AM 10:)**
3	**Press the MIN button. (Set to 30)**
4	**Press the CLK button again and close the back cover.**

NOTE: Clock is only on the remote and not on the unit's control panel.

OPERATING THE UNIT

DEHUMIDIFYING AND COOLING OPERATION

The operating range for cooling is between 63°F ~ 88°F
The operating range for dehumidifying is 68°F ~ 88°F

POWER SOURCE

* The AC socket must be firm and reliable.
* Do not connect the portable air conditioner to a multiple socket outlet that is shared with other electrical appliances.
* Insert the AC power plug securely into the AC socket before turning on the unit.
* Press the " ⏻ " button and the unit will begin to run.

COOLING OPERATION

1. Ensure that the drain tank is properly placed in the unit.
2. Repeatedly press "❄" button to choose the cooling mode. LCD window will show COOL. (During the cooling operation, always place the duct through an open window to exhaust warm air from the room.)
3. Repeatedly press "🌡" button to set desired room temperature (between 63°F ~ 88°F).
4. Press "✣" button to choose a proper fan speed: high, medium or low.
5. Press "↔" button to adjust the air delivery direction. " ≋ " symbol indicates swinging mode. Press again to set fixed direction.

NOTE: In order to improve the cooling efficiency, please note the following:
a) If your room is directly exposed to sun, draw the curtains and blinds.
b) Do not place unit near any heat source or under direct sunlight.
c) The compressor will start approximately 3 minutes after the unit is turned on and set to COOL function (this will help prolong the life of the compressor). After switching the unit off, please wait at least 3 minutes before turning the unit back on.
d) The cooling system will switch off if the room temperature is lower than set temperature. The fan, however, keeps working at the set level. When the ambient temperature rises above the set temperature + 2°F, cooling will resume.

DEHUMIDIFYING OPERATION

1. Keep the windows and the doors closed to aid in effectively dehumidifying the room.
2. Ensure that the drain tank is properly placed in the unit.
3. Repeatedly press "💧" button to choose the dehumidifying mode. LCD window will indicate DRY. The fan speed is set on LOW and cannot be adjusted.
4. When used as dehumidifier only, do not use the air exhaust duct. (If the air exhaust duct is used, air exchange effect will reduce dehumidify performance.)
5. Dehumidify will work when ambient temperature is higher than 68°F and higher than set temperature.
6. Dehumidify works in 10 minute cycles: 6 minutes compressor on and 4 minutes off.

USE OF CONTROL PANEL

TIMER SETTING

To set time to start the unit when power is off (but with power supplied):

1. Press " ◯ " button, the LCD window will show " ◯ → ON ".
2. Press the TIME button and set the number of hours you wish to start running the unit. For example, if you wish to have the unit start in 8 hours, press the TIME button repeatedly until 8 hours is indicated.

To set time to stop the unit when unit is running:

1. Press " ◯ " button, the LCD window will show " ◯ → OFF ".
2. Press the TIME button to set the desired time to stop the unit. For example, if you wish to have the unit stop in 5 hours, press the TIME button repeatedly until 5 hours is indicated.

NOTE: The time range for timer on or off is between 1 ~ 12 hours.

AUTO SWING FUNCTION

1. Press "(☺)" button and LCD window will show " ". Louver will begin to swing automatically.
2. Press "(☺)" button again and " " in the LCD window will disappear, swinging will stop.

LOCKING THE KEY PAD

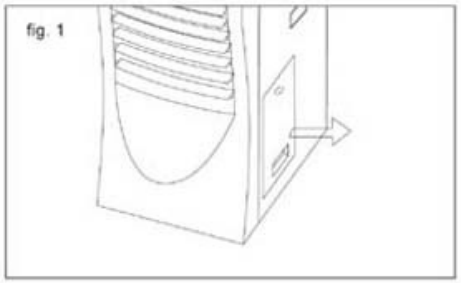
Press " △ " and " ▽ " buttons together and hold for more than two seconds will lock the keypad. LCD window will show " 🔒 ". Press the two buttons together again will unlock the keypad and the symbol " 🔒 " will disappear.

WATER DRAINAGE METHODS

WATER DRAINAGE

When in cooling or dehumidifying mode, the condensation will drain into the tank. When the tank gets full, the WATER FULL indicator will flicker. As shown in the Fig. 1, 2 and 3, pull out the water tank, pour out the water inside the tank, then push it back to its original position.

fig. 1



WATER DRAINAGE METHODS

fig. 2

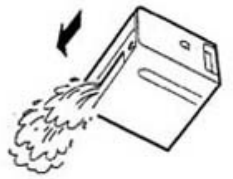
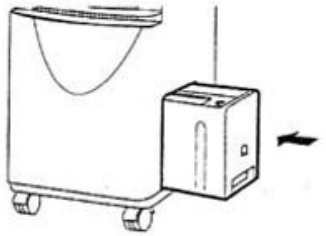


fig. 3



CAUTION

1. When in cooling or dehumidifying mode, do not remove the water tank, or the compressor will stop and mode will change to FAN.
2. If you want to take out the tank before the water becomes full, please stop the machine first and wait for 3 minutes, to prevent the water spilling into the unit
3. There is a plastic pipe inside where the tank is placed. Do not remove the stopper while the unit is working as the water is used for cooling the copper duct.

MAINTENANCE METHODS

* Unplug the unit before cleaning
* Make sure there is no power to the unit before beginning to maintain or repair, to prevent accident caused by electric shock.
* Do not use chemical solvent (like benzene or alcohol glazer) to clean the surface of the unit, which will scratch, damage or deform the casing.

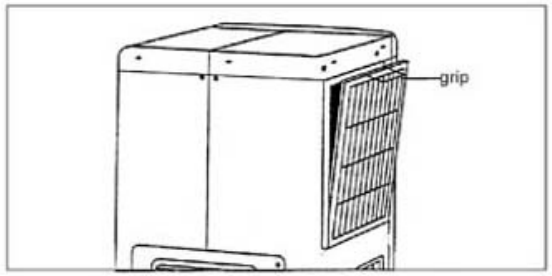
NOTE: it is important to clean the exhaust air intake area (located on the side and back, near bottom) with a vacuum to remove dust accumulation. Excessive dust may cause a decrease in performance and/or damage to the compressor. Damage caused by improper maintenance will void the warranty.

AIR FILTER

If the air filter is blocked by a lot of dust, the air flow volume will reduce. Clean the filter once every two weeks.

Opening the air filter

1. Open the air filter cover upwards and remove the air filter.
2. Take the air filter out of filter cover.

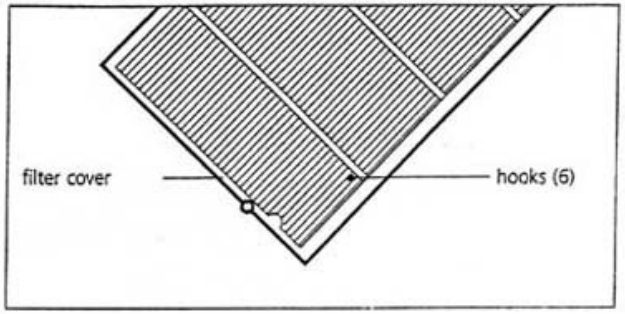


Clean

Wash the air filter by immersing it gently into warm (about 40°C or 104°F) water with a neutral detergent. Rinse the filter clean of detergent and dry it thoroughly in a shaded place.

Mounting

1. Attach the filter to filter cover with the attachment hooks on the inside surface of the cover.
2. Match hooks at the bottom of the filter cover into the holes of the case, push it back into its original position.

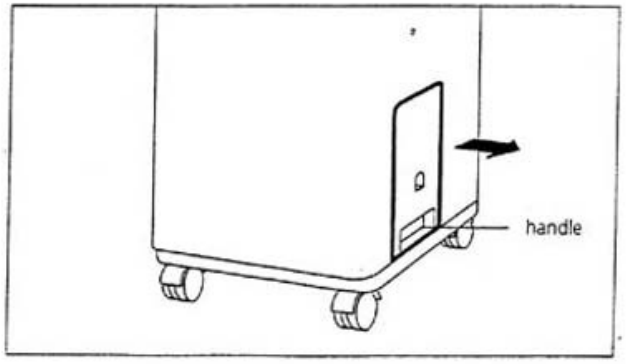


KEEP SURFACE CLEAN

Clean the surface of the unit with a damp cloth, then dry with duster or similar.

WATER TANK

1. Hold the handle in water tank and draw out slowly.
2. Pour out the water. Clean with neutral detergent, rinse clean and dry.



STORAGE

END OF SEASON OPERATION & STORAGE

1. To remove drain water from the drain tank, take out the plug from the plastic pipe shown in Fig. 4. Then operate the unit in fan mode for half a day until the pipe is dry.
2. Switch off the unit and disconnect the plug from the power supply.
3. Tie the cable with a string.
4. Wrap the machine with the plastic bag and store in a dry location.

fig. 4

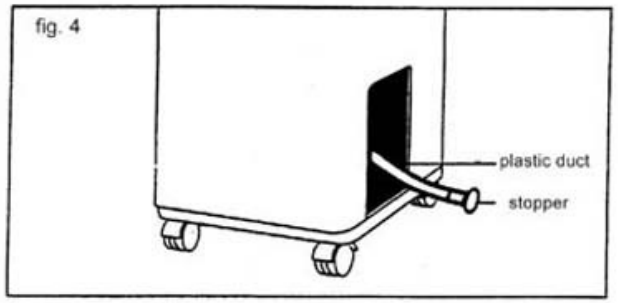
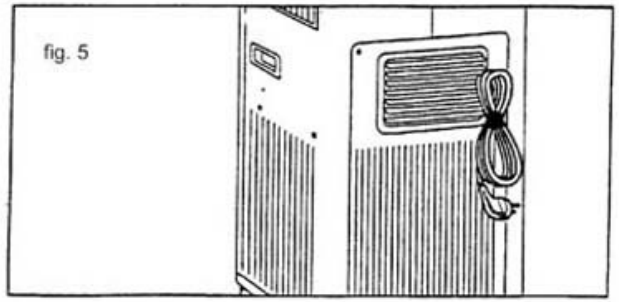


fig. 5



SAFETY CAUTIONS

* Do not use the unit in a very narrow room with obstacles to avoid breakdown.
* Do not use the unit under direct sunlight to avoid surface color change.
* Do not use the unit in or near water to avoid possible shock of electricity.
* Do not use near gas appliances, fire or the vicinity of flammable liquids.

---

* Do not use with a damaged or improper A/C socket.
* When unplugging the unit, hold the power plug securely and pull carefully.

---

* Keep the unit one meter away from TV sets or radios to avoid electromagnetic interference.
* Keep a distance between the air outlet and wall or furniture to avoid overheating.

---

* Do not spray with insecticide or other chemicals as the plastic case may discolor or become deformed.

TROUBLESHOOTING

Before seeking repair or service, please first check the following.

Trouble	Check	Action
Air conditioner does not operate at all	Is power out? Is it unplugged or plug loose? Is power fuse or switched off? If drain tank indicator lit? If the water tank placed correctly? If SET TIME suitable?	It is normal. Plug firmly into wall socket. Change or reset the fuse. Pour out water. Place water tank correctly Change SET TIME
Cooling efficiency is not good	Is air inlet or outlet blocked? Is there any other heat source in room? Are air filters dirty? Is SET TEMP suitable? Is fan speed set at low? Is unit in an open space?	Clear the inlet or outlet Move the heat source Clean the air filter Set suitable temperature Set suitable fan speed. Close windows and doors
Too noisy or vibration	Is it level?	Place on a level surface
The machine starts and stops frequently	Is the voltage of the power source normal? Does the air exhaust have many bends or curves? Is the air exhaust extended beyond the supplied hose?	Keep power within rating. Keep exhaust hose as straight and short as possible Do not extend beyond supplied hose.

CAUTION

Unplug and stop running immediately in case of the following and contact SPTUSA at 1-800-330-0388:

1. The fuse and switch breaks often.
2. The power cord get excessively hot or the sleeve of the cord is broken.
3. Something seems abnormal.

Self diagnosis function

This unit is equipped with a Self-Diagnosis system. When irregular performances are sensed, the LCD panel will display the following fault codes:

Check code	Diagnosis of malfunction	Action
FAULT E8	Overheating protection	Wait until unit cools off
FAULT E3	Faulty coils	Service required
FAULT E2	Ambient temperature is not within the working temperature range (50°F ~ 95°F)	Wait for ambient temperature to fall within the working temperature range
FAULT E4	Unit faults	Service required

SPECIFICATIONS

Model Number	WA-9010E
Cooling Capacity	9,000BTU/hr
Power Consumption	1,120W / 9.7A
Humidity Removal Capacity	50 pts./day
Recommended Room Size*	250 sq. ft.
Power Supply	115V / 60HZ / 1 Phase
Compressor	Rotary
Refrigerant	R - 22
Fan Speed	3
Timer	1 ~ 12 hours
Thermostat	62°F ~ 88°F
Net Weight	77 lbs.
Dimensions	14.76"W x 18"D x 32.68"H
Working Temperature	Cooling: 50°F ~ 95°F Dehumidifying: 68°F ~ 95°F

REMARKS:
1. The data may vary, please refer to the rating label on the back of the unit.
2. The above conditions are measures at:
   Cooling - Indoor: RT 81°F, RH 60%

* Uninsulated rooms such as sun rooms, garages or attics should be less than 250 sq.ft.

THANK YOU!

Thank you for choosing the portable air conditioner from SPTusa, a leading brand in indoor air treatment. We would like you to enjoy the many benefits this unit offers, so please take the time to read this manual carefully and take full advantage of the many advanced features that your SPTusa Air Conditioner offers you.

SPTusa has specialized in complete indoor environment control, manufacturing world-class air conditioners, dehumidifiers and air purifiers with innovative technology.
In designing these advanced products, we have listened carefully to our customers and have passed their views on to our research and development laboratories. We wish you many years of enjoyable use.

After reading this manual, please keep it in a safe place for future reference.

Energy Saving Tips

- Please use the unit in the recommended room size.
- Do not locate the air conditioner where furniture or other objects can obstruct the airflow.
- Keep blinds/curtains closed during the sunniest part of the day.
- Close the fireplace damper and floor or wall grills so that cool air does not escape through the chimney or ductwork.
- Keep the filters clean.

Set the unit to maximum cooling and high speed fan initially, then adjust the unit to a comfortable setting.

NOTE: It is recommended to turn on the air conditioner when the room temperature is around 75ºF. Do not wait until the room is excessively hot.

YOUR GUARANTEE

SPT™ USA

Portable Air Conditioner

If this product is found to be faulty as a result of faulty materials or workmanship within one year from date of purchase, it will be repaired or replaced free of charge.

This guarantee is subject to the following terms:

SPTUSA, must be notified of the fault.

Proof of purchase must be presented to SPTUSA's nominated representative.

The warranty will be void if the product is modified, misused or repaired by an unauthorized person.

The guarantee after repair or replacement will not be extended beyond the original one year period.

All replacement parts or units will be new or reconditioned.
Parts or units, which are replaced, become the property of SPTUSA.

The warranty applies to the use of this product in the United States.

Warranty does not include freight charges.

Note : For service, please call:
800-330-0388 or visit www.spt-usa.com
SUNPENTOWN INT'L INC.

This GUARANTEE is in addition to your Statutory Rights.

Dear Customer: Please keep this warranty for your record. DO NOT return it.